^{122}Te(p,d) 1982Ga18

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111, 1619 (2010)	20-Jan-2009

E=42 MeV. Enge split-pole magnetic spectrograph, ΔE/E counter, measured d(θ); DWBA analysis by DWUCK-4 code; deduced E, J, π; observed a giant resonance-like peak at 3.5-13 MeV; discussed L=4 hole strength.

^{121}Te Levels

E(level)†	L	E(level)†	L	E(level)†	L	E(level)†	L
0	0	827 *5*	2	1586 *15*	(4)	2310 *10*	(2+4)
217 *5*	2	937 *5*	2	1669 *10*	4	2406 *10*	4
299 *5*	5	1020 *10*	4	1707 *10*	(4+2)	2463 *10*	(2+4)
445 *5*	4	1170 *5*	4+2	1771 *10*	2	2548 *15*	(2+4)
477 *10*	2	1263 *10*	(0+2)	1856 *10*	(4+2)	2620 *15*	(2+4)
542 *10*	2	1362 *5*	(2)	1917 *15*	(4+2)		
614 *5*	2	1480 *15*	4	2051 *10*	(4+2)		
698 *10*	2	1525 *15*	2	2143 *10*	4		

† Energy uncertainties of strongly excited level were given by 1982Ga18 generally as ΔE=5 keV for E(level)<1.5 MeV; ΔE=10 keV for E(level)<2.5 MeV; ΔE=15 keV for E(level)>2.5 MeV. Evaluators noted, however, that some levels seem to deviate significantly.